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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

STACHOWIAK

Atty. Ref.: 3691-623

Serial No. To be Assigned

Group:

Filed: December 24, 2003

Examiner:

For: LOW-E MATCHABLE COATED ARTICLES AND METHODS  
OF MAKING SAME

\* \* \* \* \*

December 24, 2003

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**INFORMATION DISCLOSURE STATEMENT**

<input checked="" type="checkbox"/> 1.	<b>PTO-1449 Pursuant to 37 CFR 1.97(b)</b> [within 3 months of filing or prior to 1st Office Action]	<i>N/C</i>
<input type="checkbox"/> 2.	<b>Statement Pursuant to 37 CFR 1.97(c)</b> [before Final Office Action and Allowance]	<i>N/C</i>
<input type="checkbox"/> 3.	<b>Fee Payment Pursuant to 37 CFR 1.97(c)</b> [before Final Office Action and Allowance]	<i>\$180.00</i>
<input type="checkbox"/> 4.	<b>Pursuant to 37 CFR 1.97(d)</b> [before Issue Fee payment]	<i>\$180.00</i>

The following are submitted in the above-identified application in compliance with 37  
C.F.R. §§ 1.97 and 1.98:

5. A list of documents on Form PTO-1449. Actual copies of the references listed on the attached form PTO-1449 are not included herewith in accordance with MPEP §609, these references being previously submitted in any and all of the parent applications. The parent application includes U.S. application Serial No. 10/310,854.

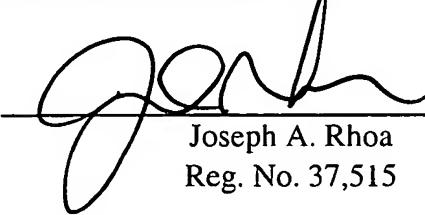
This paper is submitted in accordance with:

- 6. 37 CFR 1.97(b): [within 3 months of filing or prior to 1st Office Action]
- 7. 37 CFR 1.97(c): [before Final Office Action and Allowance, whichever is earlier]; and
  - a) The required Statement made in item 9 below; or
  - b) The \$180.00 fee specified in 37 CFR §1.17(p) for submission of this Information Disclosure Statement is authorized in item 10 below.
- 8. 37 CFR §1.97(d): [before issue fee payment]; and
  - a) The fee (\$180.00) required by 37 CFR §1.17(p) is authorized in item 10 below; and
  - b) The required Statement is stated in item 9 below.
- 9. Statement under 37 CFR 1.97(e)
  - a) The undersigned attorney of record hereby certifies under 37 C.F.R. §1.97(e) that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement (each item contained in this IDS was the first citation of that item by a foreign patent office in a counterpart foreign application which occurred no more than three months prior to the filing of this IDS); or
  - b) No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement, after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement.
- 10. Please charge all applicable fees associated with the submission of this Information Disclosure Statement and any other fees applicable to this application to Deposit Account No. 14-1140. An original and one (1) copy of this document are enclosed.

Respectfully submitted,

NIXON & VANDERHYE P.C.

By:



Joseph A. Rhoa  
Reg. No. 37,515

**STACHOWIAK**  
Serial No. To be Assigned

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INFORMATION DISCLOSURE		ATTY. DOCKET NO.	SERIAL NO.
CITATION		3691-623	To be Assigned
APPLICANT			
STACHOWIAK			
(Use several sheets if necessary)		FILING DATE	GROUP
		December 24, 2003	

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,558,800	5/2003	Stachowiak			
	6,514,620	2/2003	Lingle et al.			
	6,495,263	12/2002	Stachowiak			
	6,602,608	8/2003	Stachowiak			
	6,524,714	2/2003	Neuman et al.			
	6,589,658	7/2003	Stachowiak			
	6,586,102	7/2003	Stachowiak			
	6,605,358	8/2003	Stachowiak			
	6,475,626	11/2002	Stachowiak			
	5,521,765	5/1996	Wolfe			
	5,800,933	9/1998	Hartig et al.			
	6,014,872	1/2000	Hartig et al.			
	6,059,909	5/2000	Hartig et al.			
	6,132,881	10/2000	Hartig et al.			
	6,159,607	12/2000	Hartig et al.			
	5,942,338	8/1999	Arbab et al.			
	3,682,528	8/1972	Apfel et al.			
	5,377,045	12/1994	Wolfe et al.			
	5,188,887	2/1993	Lingle et al.			
	6,475,626	11/2002	Stachowiak			

## FOREIGN PATENT DOCUMENTS

					TRANSLATION	
DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
WO 01/21540	3/2001	WIPO				

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

	U.S. Patent Application Serial No. 10/310,854 filed December 6, 2002
	U.S. Patent Application Serial No. 10/246,617 filed September 19, 2002
	Technical Digest 1995, "Optical Interference Coatings", WOLFE et al., Vol. 17, pgs. 115-117
	"Heat Insulating Glass Which Can be Thermally Worked", Hironobu, 05124839, 10/1991

*Examiner	Date Considered
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Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Form PTO-FB-A820 (Also PTO-1449)

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Form PTO-FB-A820 (Also PTO-1449)

INFORMATION DISCLOSURE STATEMENT  
IN AN APPLICATION

### الكتاب المقدس

SOCIETY

December 24, 2003. | Grade 4: Unit 1

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

**OTHER DOCUMENTS** (including Author, Title, Date, Permanent Page, Etc.)

Fan et al., "Transparent heat mirrors for solar-energy applications," Applied Optics, Vol. 15, No. 4, April 1976

Fan et al., "Transparent heat-mirror films of  $TiO_2/Al/TiO_2$  for solar energy collection and radiation insulation," Appl. Physics Letters, Vol. 25, No. 12, December 15, 1974

**EXAMINER:** Indicate if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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Form PTO-901

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

369L-623

STACEOWAX

December 24, 2003

Continuation

## U. S. PATENT DOCUMENTS

SEARCHER INITIAL	DOCUMENT NUMBER	DATE	NAME	CASE	CLASS	PUBLISH DATE OR APPROXIMATE
	3 272 986	9/66	Schmidt			
	3 681 042	8/72	Edwards et al.			
	3 798 146	3/74	Chong et al.			
	3 826 728	7/74	Chambers et al.			
	3 935 351	1/76	Franz et al.			
	4 166 018	8/79	Chapin et al.			
	4 41 3877	11/83	Suzuki et al.			
	4 416 2883	7/84	Hart			
	4 594 137	6/86	Gillery et al.			
	4 680 742	7/87	Yamada et al.			
	4 715 879	12/87	Schmitte et al.			

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CASE	CLASS	PUBLISH DATE OR APPROXIMATE
0 301 755	2/89	EPO			
0 332 T 17	9/89	EPO			
0 386 993	9/90	EPO			
0 451 648 17	11/91	EPO			
0 514 630 26	6/93	EPO			

OTHER DOCUMENTS (Include Actor, Inc. Spec. Form, Process, etc.)

AIRCO Super-E <u>III</u> Coating Process Release	
AIRCO Super-E <u>III</u> Technology Process Release, P. 1-25	
1991 Proposed ASTM Standard Test Method for Measuring and Calculating	
Emittance of Architectural Flat Glass Products Using Radiometric Measurements	
EXAMINER: (Initials/Signature) (Initials or signature is in conformance with MPEP 1.639; Draw line through signature if not in conformance and not substituted. Initials may be placed on this form with prior communication to the applicant.)	

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Form PTC-143

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(See 37 CFR 1.143)

369L-623

STACEY/TER

December 24, 2003

## U. S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	ASSISTANT	PURG DATE 12/2003/07/01
	4 7169129	1 9/88	Bellkind et al			
	4 780370	10/88	Tracy et al			
	4 790922	12/88	Huffer			
	4 816034	3/89	Bhatt et al.			
	4 826525	5/89	Chesworth et al			
	4 857094	8/89	Groth et al.			
	4 948482	5/90	Kobayashi et al.			
	4 9542329	9/90	Yamada et al.			
	4 960645	10/90	Lingle et al.			
	5 0162937	11/91	Komuro			
	5 1182887	2/93	Lingle et al.			

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	ASSISTANT	PURG DATE 12/2003/07/01
0 546 470 6/93		EPO			
0 567 735 11/93		EPO			
0 622 645 11/94		EPO			
0 711 791 4 6/96		EPO			
0 722 913 7/96		EPO			

## OTHER DOCUMENTS (including Test. Rep. Inv. Foreign Figs. Etc.)

ASTM Designation: E 424-71 "Standard Test Methods for Solar Energy Transmittance and Reflectance (Terrestrial) of Sheet Materials.
"Principles of Design of Architectural Coatings", Applied Optics Vol. 22, No. 24, December 15, 1983.
"Performance and Sputtering Criteria of Modern Architectural Glass Coatings"
SPIE Vol. 325, Optical Thin Films (1992).

EXAMINER

DATE REC'D.

EXAMINER Initial if action is consistent, otherwise not. Action is in conformance with MPEP 1.509. Draw line through action if not in conformance and not waivered. Include copy of this form with next communication to the applicant.

Form PTO-143

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

3641-623

STATE/WEAR

December 24, 2003

## U. S. PATENT DOCUMENTS

SEARCHER INITIAL	DOCUMENT NUMBER	DATE	CLASS	CITE AS	RECORD DATE
	527291194	7/93	Lingle et al.		
	5242560	9/93	Lingle et al.		
	5344718	9/94	Hartig et al.		
	5376455	12/94	Hartig et al.		
	5377045	12/94	Wolfe et al.		
	5403458	4/95	Hartig et al.		
	5514476	5/96	Hartig et al.		
	5543229	8/96	Ohseki et al.		
	5563734	10/96	Wolfe et al.		
	5688585	11/97	Lingle et al.		
	5770321	6/98	Hartig et al.		

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	CLASS	CITE AS	RECORD
07471329	12/96	EPO		
9002653	3/90	WO		
9005439	5/90	WO		
9008334	7/90	WO		
9513189	5/95	WO		

## OTHER DOCUMENTS (including Author, Ref. Date, Examining Office, etc.)

EP Search Report, EP 96 10 413

SEARCHER

EXAMINER

SEARCHER (will be informed if disclosure is not made in accordance with M353 (50); Draw line through disclosure if not in accordance and not considered. Indicate copy of this form with next communication to the applicant.)

EXAMINER: Is this a fit student candidate, whether or not student is to be accommodated with M323 (4)(B)? Draw line through student if not a fit student candidate and not accommodated. Letters may be of this form with neat communication to the applicant.